

REEL #49
BEREZOVA, ye. F.
TO

BEGIN

BEREZOVA, YE.F.

Method of investigating nodule bacteria in the root systems of leguminous plants

Mikrobiologiya 21, no. 4, 1952

140 ¹¹ Bacteriostatic substances as a factor regulating the type of microflora in the root systems of plants. E. P. Perezhova and E. Kh. Rempe. *Trudy Vsesoyuz. Nauch. Ts. Mikrobiol. Inst. Sel'skokhoz. Mikrobiol.* 3, 87-95 (1953). Expts. were performed with wheat, fescue grass, timothy grass, alfalfa, beans, clover, flax, rye, oats, and vetch. Root exs. of early growth period sharply arrested the process of bacterial cellulose decompn. which those of peroxis of the plant's maturation stimulated and increased the process of bacterial cellulose decompn. The intensity of either the arresting or stimulating influence varied with the plant species. Sugar as a suspected factor in the development of the arresting influence has been ruled out. The presence of cellulose decompn. arresting or stimulating substances had been demonstrated in the soil surrounding the roots as well as in the roots, indicating that such substances may be exuded by the plant's roots. Of the cereal grasses wheat and of the legumes clover roots produced exs. most intensely bacteriostatic to cellulose decompn. microorganisms. B. S. L.

①

✓ The effectiveness of and the conditions required for the application of phosphobacterins. -- I. I. Samoilov, B. V. Berezhova, A. S. Chernavin, V. V. Bernard, Yu. M. Voznyakova, L. M. Dorosinskii, R. A. Menkina, and M. Ya. Finkel'shtein. *Trudy Vsesoyuz. Nauch.-Issledovatel. Inst. Sel'skokhoz. Mikrobiol.* 8, 173-182 (1953).--Application of phosphobacterins is beneficial to a variety of crops, particularly cereal grains and potatoes, especially in black soil. In soils other than black, the presence of organic matter and of the perennial-grass stratum influence the effectiveness of the added phosphobacterins. Soil treatment with phosphobacterins increases the content of available P in the soil, especially in zones abutting the roots, intensifies the nitrification process and raises the nitrate content of the soil throughout the vegetation period, and increases the content of P in the plants. B. S. Levina.

(7)

BEREZOVA, Ye.F., doktor biologicheskikh nauk; SHAIN, S.S., doktor
sel'skokhozyaystvennykh; REMPE, Ye.Kh., kandidat biologicheskikh
nauk.

Microflora of the root system of perennial grasses in pure and
mixed seedings. Trudy Vses. inst. sel'khoz. mikrobiol. 13:57-66 '53.
(Soil microorganisms) (Grasses)

BEREZOVA, Ye.F., doktor biologicheskikh nauk; REMPER, Ye.Kh., kandidat biologicheskikh nauk.

Bacteriostatic substances as a factor regulating microflora of the root system of plants. Trudy Vses. inst. sel'khoz. mikrobiol. 13:87-95 '53. (MLHA 8:1)

(Bacteriostasis) (Soil microorganisms)

SAMOYLOV, I.I., akademik; ~~BEREZOVA~~ Ye.F., doktor biologicheskikh nauk;
CHERNAVIN, A.S., kandidat sel'skokhozyaystvennykh nauk; BERNARD, V.V.,
kandidat sel'skokhozyaystvennykh nauk; VOZNYAKOVSKAYA, Yu.M., kandidat
biologicheskikh nauk; DOROSINSKIY, L.M., kandidat biologicheskikh nauk;
MENKINA, R.A., kandidat biologicheskikh nauk; FINKEL'SHTEYN, M.Ye.,
kandidat biologicheskikh nauk.

Effectiveness and conditions of using phosphoro-bacterial fertilizer.
Trudy Vses.inst.sel'khoz.mikrobiol. 13:173-192 '53. (MIRA 8:1)
(Fertilizers and manures) .

BEREZOVA, Ye. F.

N/5
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Primeneniye bakterial'nykh udobreniy (Use of Bacterial Fertilizer,
By) Ye. F. Berezova (1 Dr.) Moskva, Sel'khozgiz, 1955.

171 p. Illus., Diags., Tables.

✓Composts enriched with nitrogen. R. F. Bereznova, M. I. Gusev, R. Kh. Rempie, and N. I. Karpukhina. *Doklady Vsesoyuz. Akad. Sel'skokhoz. Nauk im. V. I. Lenina* 20, No. 4, 22-7(1955). -- By adding straw and superphosphate to composts, the N content increases by virtue of anaerobic N-fixing bacteria. J. S. Joffe

(3)

DZHOEDZHADZE, V.A.; BERNZOVA, Ye. P., doktor biologicheskikh nauk, professor;
BUSHINSKIY, V.P.; GHERASIMOV, V.P., dandidat pedagogicheskikh
nauk; DOBROLYUBOVA, Ya.M., dotsent; IVANOV, P.P.; IMSENNITSKAYA, L.I.;
TEREKHOV, V.D., redaktor; YUSFINA, N.L., tekhnicheskiy redaktor

[Publicising the natural sciences in connection with practical problems
in agriculture] Propaganda estestvenonauchnykh znaniy v svyazi s
prakticheskimi zadachami sel'skogo khoziaistva. Moskva, Gos. izd-vo
kul'turno-prosvetit. lit-ry, 1956. 158 p. (MLRA 9:11)
(Agriculture--Study and teaching)

MUROMTSEV, S.N., akademik, red.; SAMOYLOV, I.I., akademik, red.;
STRESHINSKIY, M.O., kand.biolog.nauk, red.; BEREZOVA, Ye.F.,
prof., red.; SMIRENSKIY, N.V., red.; AZAROVA, O.A., red.;
SUPRUNENKO, I.M., red.; ZUBRILINA, Z.P., tekhn.red.

[Achievements of Michurin's teaching in microbiology] Dosti-
zhenia michurinskoi nauki v mikrobiologii. Pod red. S.N.
Muromtseva i dr. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958.
228 p. (MIRA 12:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni
V.I.Lenina. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh
nauk imeni V.I.Lenina (for Muromtsev, Samoylov).
(MICROBIOLOGY)

BEREZOVA, Ye.F., KEMPE, Ye.Kh., ISELEVA, I.A.

Oligocarbophilic bacteria. Trudy Inst. mikrobiol. no.5:128-135
'58 (MIRA 11:6)

1. Moskovskogo otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennoy mikrobiologii.

(BACTERIA,

oligocarbolic, in soil (Rus))

(SOIL, microbiology,

oligocarbolic bact. (Rus))

BEREZOVA, Ye.F.; BELOV, Ye.A.; SOROKINA, T.A.

Effect of organomineral mixtures on the microflora of soils and
the root system of plants. Trudy Vses. inst. sel'khoz. mikrobiol.
no. 14:192-208 '58. (MIRA 15:4)
(Rhizosphere microbiology) (Fertilizers and manures)

LOBANOV, P.P.; BREZHNEV, D.D.; LYSENKO, T.D.; BORKOV, G.A.; OL'SHANSKIY, M.A.;
SINYAGIN, I.I.; A'KESASHIN, V.A.; AVDONIN, N.S.; BEREZOVA, Ye.F.
SOKOLOV, N.S.; SOTNIKOV, V.P.; SMIRNOV, N.D.; KEDROV-ZIKHMAN, O.K.

Ivan Il'ich Samoilov; obituary. Dokl.Akad.sel'khoz. 23 no.11:
48 '58. (MIRA 11:12)
(Samoilov, Ivan Il'ich, 1900-1958)

HEREZOVA, Ye. F.

Conference on the effect of tillage on microbiological processes.
Mikrobiologiya 27 no.5:657-658 S-O '58 (MIRA 11:12)
(SOIL MICROORGANISMS)

SAMOYLOV, I.I., akademik, glavnyy red. [deceased]; BEREZOVA, Ye.F.,
 doktor biolog.nauk, zamestitel' glavnogo red.; BYLINKINA, V.N.,
 kand.biolog.nauk, red.; HERESNEVA, V.N., kand.biolog.nauk, red.;
 DOROSINSKIY, L.M., kand.biolog.nauk, red.; PROKHOROV, M.I., kand.
 biolog.nauk, red.; MAKAROVA, M.M., kand.biolog.nauk, red.;
 KROMMAUZ, Ye.A., red.; ZUBRILINA, Z.P., tekhn.red.

[Microbiology in the service of agriculture] Mikrobiologiya na
 sluzhbu sel'skomu khoziaistvu. Moskva, Gos.izd-vo sel'khoz.lit-ry,
 1959. 309 p. (MIRA 13:8)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'sko-
 khozyaystvennoy mikrobiologii. 2. Vsesoyuznaya akademiya sel'sko-
 khozyaystvennykh nauk imeni V.I.Lenina (for Samoylov). 3. Vse-
 soyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy
 mikrobiologii (for Berezova, Dorosinskiy).
 (Bacteriology, Agricultural)

BEREZOVA, Ye.; BORODULINA, Yu.; BUSHUYEVA, P.; GEL'TSER, F.; GOLIKOV, V.;
DOROSINSKIY, L.; KOZLOVA, N.; KRAKHIN, P.; KRUGLOV, N.; LAZAREV, N.;
LAMPOTSHCHIKOV, P.; MAKAROVA, N.; MAL'KOVA, Z.; NESTEROVA, Ye.;
PROKHOROV, N.; SOROKINA, T.; STARYGALAA, L.; KHUDYAKOV, Ya.

Ivan Il'ich Samoilov; obituary. Mikrobiologiya 28 no.2:318-
319 Nr-Apr '59. (MIRA 12:5)
(SAMOILOV, IL'IA IL'ICH, 1900-1958)

BEREZOVA, Yelena Fedorovna, prof., doktor biolog.nauk; STAROSTENKOVA,
M.M., red.; SAVCHENKO, Ye.V., tekhn.red.

[Microbes and the life of plants] Mikroby i zhizn' rastenii.
Moskva, Izd-vo "Znanie," 1960. 38 p. (Vsesoluznoe obshchestvo
po rasprostraneniю politicheskikh i nauchnykh znanii. Ser.8,
Biologiya i meditsina, no.6). (MIRA 13:4)
(SOIL MICRO-ORGANISMS)

IZRAIL'SKIY, V.P., prof.; doktor biolog.nauk; SHUSTOVA, L.N., kand.med.
nauk; GOHLENKO, M.V., doktor biolog.nauk; MURAV'YEV, V.P.;
~~BEHEZOVA, Ye.F.,~~ doktor biolog.nauk; SUDAKOVA, L.V., mikrobiolog;
GRUSHEVOY, S.Ye., doktor sel'skokhoz.nauk; NEMLIYENKO, F.Ye.,
doktor biolog.nauk; BEL'TYUKOVA, K.I., doktor biolog.nauk; STARYGINA,
L.P., kand.biolog.nauk; PERSHINA, Z.G., kand.biolog.nauk; ART'YEM'YEVA,
Z.S., mikrobiolog; NOVIKOVA, N.S., kand.biolog.nauk; OSNITSKAYA, Ye.A.,
fitopatolog; YASHNOVA, N.V., fitopatolog-mikrobiolog; MIKZAREK'YAN,
R.O., kand.biolog.nauk; TETUREVA, I.V., red.; PEVZNER, V.I., tekhn.red.

[Bacterial diseases of plants] Bakterial'nye bolezni rastenii. Izd.2.,
perer. i dop. Moskva, Gos.izd-vo selkhoz.lit-ry, 1960. 467 p.
(MIRA 13:7)

1. Chlen-korrespondent Ukrainskoy AN (for Murav'yev).
(Bacteria, Phytopathogenic) (Plant diseases)

BEREZOVA, Ye.F.

Significance of the turf layer in soil fertility and plant nutrition.
Trudy Inst. mikrobiol. no.7:34-39 '60. (MIRA 14:4)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennoy mikrobiologii Vsesoyuznoy akademii
sel'skokhozyaystvennykh nauk imeni Lenina.

(SOIL FERTILITY)

(PLANTS NUTRITION)

BEREZOVA, Ye.F.; IZRAIL'SKIY, V.P.; IMSHENETSKIY, A.A.; KRASIL'NIKOV, N.A.;
MISHUSTIN, Ye.N.; MAUMOVA, A.N.; RAUTENSHTEYN, Ya.I.

E.V.Runov; obituary. Mikrobiologiya 29 no.6:945-946 N-D '60.
(MIRA 14:1)

(RUNOV, EFIM VASILIEVICH, 1901-1960)

BEREZOVA, Ye.F., red.; DOROSINSKIY, L.M., red.

[Bacterial fertilizers] Bakterial'nye udobreniia. Leningrad,
Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 406 p.
(MIRA 15:3)

(Fertilizers and manures)

BEREZOVA, Ye. F.

Heterotrophic nutrition of plants. Trudy Inst. mikrobiol.
no.11:17-23 '61 (MIRA 16:11)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennoy mikrobiologii.

*

BEREZOVA, Yelena Fedorovna, doktor biol. nauk; POD"YAPOL'SKAYA,
Vera Petrovna, kand. biol. nauk; FEDOROVA, Yu.A., red.;
SAYTANIDI, L.D., tekhn. red.

[Use of bacterial fertilizers] Primenenie bakterial'nykh udobre-
ni. Moskva, Izd-vo MSKh RSFSR, 1962. 64 p. (MIRA 15:7)
(Fertilizers and manures) (Soil micro-organisms)

BEREZOVA, Ye.F., prof., doktor biologicheskikh nauk; SOROKINA, T.A.,
~~kand. biologicheskikh nauk~~; NOVOGRUDSKAYA, Ye.D.; SUDAKOVA, L.V.

Microbiological processes in manure-soil composts. Zemledelie 24
no.4:63-66 Ap '62. (MIRA 15:4)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennoy mikrobiologii.
(Compost)

HERBSOVA, E.F., SOROKINA, T.A.

"Plant regulating role in rizosphere mikroflora formation."

Report submitted to the Intl. Congress for Microbiology
Montreal, Canada 19-25 Aug 1962

BEREZOVA, Ye.F., prof., doktor biologicheskikh nauk

Conference on the biological fixation of nitrogen, Zemledelie
24 no.7:89-90 J1 '62. (MIRA 15:12)
(Nitrogen--Fixation)

BEREZOVA, Ye. F., prof., doktor biologicheskikh nauk

All-Union Conference on Phytoncides. Zemledelie 24 no.9:91-92
S '62. (MIRA 15:10)

(Phytoncides—Congresses)

BEREZOVA, Ye.F.; SOROKINA, T.A.; SUDAKOVA, L.V.; NOVOGRUDSKAYA, Ye.D.

Microbiological processes during the aging of manure-soil composts.
Agrobiologia no.4:581-584 J1-Ag '62. (MIRA 16:9)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennoy mikrobiologii.
(Compost-Microbiology)

BEREZOVA, Ye.F., prof.

Working conference on bacterial fertilizers. Zemledelie 25
no. 1:94-95 Ja '63. (MIRA 16:4)
(Soil inoculation—Congresses)

BEREZOVA, Ye.F., prof.; SOROKINA, T.A., kand.sel'skokhoz. nauk

Effect of fertilizers on soil microflora. Zemledelie 25 no.9:57-59
S '63. (MIRA 16:9)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennoy mikrobiologii.
(Soil microorganisms)
(Fertilizers and manures)

BEREZOVA, Ye.F.

Effectiveness of bacterial fertilizers. Mikrobiologiya 32
no.2:358-361 Mr-Apr '63. (MIRA 17:9)

BEREZOVA, Ye.F.; SOROKINA, T.A.; KOCHUNOVA, T.A.

Fertility of composted areas. Agrobiologia no.1:37-40
Ja-F '64 (MIRA 17:8)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennoy mikrobiologii.

BEREZOVA, Ye.F.; NAKHIMOVSKAYA, M.I.; RYBALKINA, A.V.; RABOTNOVA, I.L.;
~~MOISEVICH~~ MOISEVICH, M.A.

David Moiseevich Novogradskii, 1898-1953; on the 10th
anniversary of his death. Mikrobiologiya 33 no.2:379-381
Mr-Apr '64. (MIRA 17:12)

HEREZOVAYA, A.V.

Clinical aspects and therapy of balantidiasis. Med. paraz. i paraz.
bol. no.3:265-267 J1-S '54. (MLRA 8:2)

1. Iz kliniki infektsionnykh bolezney Kubanskogo meditsinskogo
instituta na baze 2-y infektsionnoy bol'nitsy (dir. kliniki prof.
G.S.Dem'yanov, glavnyy vrach I.V.Baranov)
(BALANTIDIASIS,
clin. aspects & ther.)

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 7, P 159-160
AUTHOR: Berezovets, G. T.
TITLE: Investigating a Pneumatic Compensation Regulator
(Issledovaniye pnevmaticheskogo kompensatsionnogo regulatora)
PERIODICAL: Sb. rabot po avtomatike i telemekhanike, AN SSSR, Moscow, 1956,
pp 7-28

ABSTRACT: A static calculation and a differential equation of a concrete compensation regulator are presented. A simplified regulator circuit is presented that consists of: a unit comparing the measured pressure and the pressure of a reference input element, an amplifying pneumatic relay, a feedback device, an isodromic unit, and tuners. The regulator is designed to work both as a static regulator with a wide range of rigid-feedback amplification factor and as an isodromic regulator with a fairly wide range of isodrome time. In all regulator chambers, the maximum possible pressure is just under the supply pressure of 1.1 atmosphere; the minimum pressure is close to atmospheric. For calculating the external static characteristic of the regulator, the throttle dis-

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Investigating a Pneumatic Compensation Regulator

In the latter case, according to the regulator static characteristics, small systemic oscillations were examined separately for closed and open valves. A structural regulator diagram is presented for the latter case. These quantities were accepted as generalized coordinates: input and output pressures, pressures in feedback chambers and in the isodrome and the relay, and travel of moving parts of the comparison unit and relay. The differential equation of the static regulator is of the seventh order. Neglecting some time constants, the author reduces that order down to the fifth and lists the expressions for all factors. Each of the characteristic-equation coefficients is a function of two quantities: the output pressure and the throttling range, the latter relationship being nonlinear. In this connection, the numerical values of the coefficients should be calculated for several conditions and for several throttling-range values. Without giving concrete figures, the author states that his investigation of static regulator stability has shown that the regulator is unstable under all conditions and all throttling-range settings and operates as a vibration type. There are 11 illustrations. Bibliography: 4 items.

L. I. T.

Card 3/3

BEREZOVETS, G.T. (Moskva)

News in industrial pneumatic automatic control. Avtom.i telem.
17 no.1:78-96 Ja '56. (MLRA 9:5)
(Automatic control) (Pneumatic machinery)

BEREZOVETS, G.T. (Moskva)

Pneumatic ratio controllers without mechanical dividers. Avtom.1
telem. 17 no.5:460-466 My '56. (MLRA 9:8)
(Pneumatic machinery) (Automatic control)

BEREZOVETS, G.T.; DMITRIYEV, V.N.; NAZAROV, E.M..

Allowable simplifications in designing pneumatic control devices.
Priborostroenie no.4:11-18 Ap '57. (MLRA 10:5)
(Pneumatic control)

BEREZOVETS, G. T. (IAT AN SSSR)

"Construction of a Pressurized Air Regulator without a Mechanical Divider,"
report presented at the Scientific Seminar on Pnsumo-Hydraulic Automation,
28-29 May 1957, at the Inst. for Automation and Remote Control (IAT), Acad. Sci. USSR
Avtomika i Telemekhanika, 1957, Vol. 18, No. 12, pp. 1148-1150 (author
SEMIKOVA, A. I.)

BEREZOVETS, G. I.

28(1) PHASE I BOOK EXPLOITATION SOV/7702

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki. Seminar po pnevmogidravlicheskoy avtomatike. Ist. Moscow. 1957

Sistemy, ustroystva i elementy pnevm. i gidravlicheskoy avtomatiki. (Pneumatic and Hydraulic Circuits, Devices, and Elements in Automation; Collection of Papers) Moscow: Izdatel'stvo AN SSSR, 1959. 233 p. Zhurnal slip inserted. 2,700 copies printed.

Resp. Ed.: M. A. Ayserman, Doctor of Technical Sciences, Professor; Ed.: Publishing House: A. A. Tal'; Tech. Ed.: T. P. Polyakov.

PURPOSE: This collection of papers is intended for scientific research workers and engineers in the field of design and construction of pneumatic and hydraulic equipment and accessories for automation.

COVERAGE: This collection contains papers read at the Seminar on Pneumatic and Hydraulic Equipment for Automation, May 28, 1957. The collection is divided into the following three groups: 1) pneumatic and hydraulic equipment and hydraulic circuits; 2) pneumatic and hydraulic devices, including regulating units, transmitters and transducers, actuating mechanisms, special-purpose devices, and auxiliary equipment and 3) elements of pneumatic and hydraulic devices for automation, such as controlled and permanent nozzles and diaphragms. No personalities are mentioned. References follow several of the papers.

Berezovets, G. I. /Moscow/. Pneumatic Ratio Controllers Without Mechanical Dividers. Types R2.1 and R2.2 ratio controllers are described. The change of ratio in relation to the throttle opening and the primary pressure is discussed. 122

Zelenskiy, L. A., and A. I. Smirnova /Moscow/. Designing a Non-linear Transformation in Pneumatic Systems by Means of "Nozzle-Tube" Type Elements. This paper discusses the first stage of an investigation made at the Laboratory for Pneumatic and Hydraulic Automation, IAT AN SSSR. The characteristics of a non-linear nozzle-tube-type relay circuit are described. The possible use of this type of relay for controlling the pneumatic diagrams of the relay and photographs of the experimental installation are shown. 128

Berezovets, G. I., and A. A. Tal'. /Moscow/. Possibility of Constructing a Pneumatic Regulator With Automatic Response to Load Changes. 153

Qutirgskiy, Yu. I. /Moscow/. Extremal Pneumatic Regulator, IAT AN SSSR. The basic principles of an extremal regulator for maintaining certain maximum or minimum values in an automated system are discussed. A schematic diagram is presented, and the construction is described. Results of laboratory testing are given. 153

Pruenko, V. S. /Moscow/. Automatic Installation for Compressed Air Supply. A description is given of an installation with units of simple construction (rotary liquid piston compressor and two-stage dehydrator) for securing a continuous supply of clean and dry compressed air. 163

Auxiliary Equipment

7

PHASE I BOOK EXPLOITATION SOV/3683

Berezovets, Galina Tarasovna, Aleksandr L'vovich Malyy, and Enver Mamedogly Nadzhafov

Pribory pnevmaticheskoy agregatnoy unifitsirovannoy sistemy i ikh ispol'zovaniye dlya avtomatizatsii proizvodstvennykh protsessov (Instruments for a Pneumatic Standard Unitized System and Their Application in the Automation of Manufacturing Processes) Moscow. Gostoptekhizdat, 1960. 162 p. 3,600 copies printed.

Exec. Ed.: M.P. Martynova; Tech. Ed.: L.V. Ganina.

PURPOSE: This book is intended for technical personnel designing automatic control systems for manufacturing processes in all branches of industry. It may also be used by students of schools of higher education and tekhnikums.

COVERAGE: The authors discuss the designing of typical automatic control systems based on pneumatic standard unitized systems (AUS). Standard block diagrams of regulation and automation systems are presented. No personalities are mentioned. There are 21 references, all Soviet.

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Instruments for a Pneumatic (Cont.)

SOV/3683

5. Systems with change-over from one controlled quantity to another (block diagrams 40-49) 123
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Ch. III. Examples of Diagrams for Automatic Control of Manufacturing Processes

1. Automatic control diagram for the temperature regulation of a rotary drier 131
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SOV/105-01-3-7/01

AUTHORS: Berezovets, G. T., Chou Ching-Lêng (Moscow)

TITLE: Experimental Investigation of Characteristics of Rubber-Fabric Membranes

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 11, Nr. 5, pp 524-532 (USSR)

ABSTRACT: The paper presents the results of an experimental investigation of rubber-fabric membranes used in pneumatic automation devices. The following membrane characteristics were established: (1) the relationship between effective membrane surface and membrane course $F_e = f(S)$; (2) the relationship between effective membrane surface and change in pressure $F_e = f(\Delta P)$; (3) membrane hysteresis; the effective membrane surface was determined according to the expression

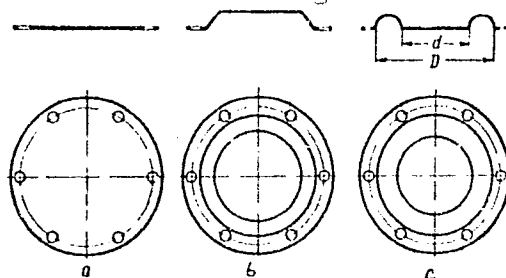
Card 1/4

$$F_e = \frac{G}{\Delta p},$$

Experimental Investigation of Characteristics of Rubber-Fabric Membranes

78101
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Here F_e is the effective surface in cm^2 ; G is the load in kg applied to a rigid membrane center; Δp is the pressure change in kg/cm^2 . The form of investigated membranes is shown on Fig. 1.



TYPES OF INVESTIGATED MEMBRANES

Fig. 1.

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Experimental Investigation of Characteristics of Rubber-Fabric Membranes

78161

SOV/103-21-3-7/21

Diameter D of the fixing circle was 60 mm for membranes 1a and 1b, and 62 mm for membrane 1c. Rigid centers of diam $d = 20$ mm and $d = 45$ mm were used on membranes 1a and 1b. On membrane 1c it was $d = 45$ mm. From the obtained experimental results and their graphical representation, the following conclusions are drawn:

(1) The characteristics of all membranes are stable only when membranes are constantly under pressure. The greater p the more stable is the characteristic. An interruption of the membrane work may lead to a distorted characteristic. (2) The hysteresis of flat membranes is the smallest. The greater p the smaller the hysteresis. The hysteresis decreases as the rigid center decreases, and increases as the membrane motion increases. (3) The surface F_e varies depending on p . However, when the membrane motion is limited and p is within the limits of 0.15 and 1 kg/cm^2 , F_e is practically constant. (4) The magnitude of F_e depends on the initial membrane position. When the

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Experimental Investigation of Characteristics of Rubber-Fabric Membranes

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rigid center is below the fixation plane ($h < 0$) the effective surface F_e is increased in comparison with the neutral position ($h = 0$). On the contrary, when the position of the center is above the fixation plane ($h > 0$), this surface F_e increases.

(5) The expression for computation of the effective membrane surface $F_e = G/p$ is correct only for great values of G and p . Otherwise, the membrane's own rigidity must be considered. There are 11 figures; and 4 Soviet references.

SUBMITTED: September 3, 1959

Card 4/4

BEREZOVETS, G. T.

Cand Tech Sci - (diss) "Study and development of pneumatic controllers of relations not containing mechanical dividers." Moscow, 1961. 18 pp with diagrams; (Academy of Sciences USSR, Inst of Machine Practices); 200 copies; price not given; (KL, 6-61 sup, 213)

BEREZOVETS, G.T.; BERENDS, T.K.; DMITRIYEV, V.N., kand.tekhn.nauk

Carrying out calculating and logical operations by means of
pneumatic control. Zhur.VKHO 6 no.5:499-508 '61.

(MIRA 14:10)

(Pneumatic control)

88818

S/103/61/022/001/010/012
B019/B056

9.7200

AUTHORS: Berezovets, G. T., Dmitriyev, V. N., Tal', A. A. (Moscow)

TITLE: A New System for Pneumatic Computers. I

PERIODICAL: Avtomatika i telemekhanika, 1961, Vol. 22, No. 1, pp. 111-118

TEXT: The authors studied methods of designing pneumatic analog computers, in which pneumatic amplifiers are used, which operate at pressures of from 0 - 100 mm water column, an idea originated by the German engineer V. Ferner. The first part deals with carrying out linear algebraic operations by means of such a computer. The development of exact pneumatic computers is, in general, rendered difficult by the fact that within the usual pressure range of from 0 - 1 atm excess pressure between input and output pressure, the throttling characteristics are not linear. Two new principles for avoiding these difficulties are given. The first principle is the construction of the pneumoautomatic of all control and computing devices on the basis of a standard element, the operational amplifier. This offers special constructional advantages. The second new principle is the use of pressures between 0 - 100 mm water column. This

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low pressure causes no deterioration of the dynamic characteristic of the devices, it is possible to produce linear throttles, and the air consumption is considerably lower. The system of pneumatic computers described here consists of standardized elements, which may be divided into two groups. The first group consists of the pneumatic computer proper, and the second of the throttles and similar elements. Fig.1 shows the basic scheme of a pneumatic computing device, its entire view, the static characteristic, and the principal circuit. In the entire system, three types of throttles are used: 1) Constant linear (laminar) throttles. 2) Constant quadratic (turbulent) throttles. 3) Linear control throttles. In order to be able to carry out any linear algebraic operations with pneumatic devices, it is necessary to be able to represent

functions of the form $P = \sum_{i=1}^n k_i P_i$ $(-\infty < k_i < +\infty)$ (2) by means of general methods. Here, P_i are pneumatic input signals and P the output pressure. In the following, three methods for solving this problem are dealt with in detail. 1) Fig.2 shows the scheme of a non-compensating throttle summator. The above considerations show a limited applicability

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of such a summator. 2) Fig.3 shows a compensating throttle summator, by means of which any arbitrary algebraic function may be represented. Fig.4 shows a scheme by means of which any arbitrary algebraic operation may be carried out, and which exists of two throttle summators shown in Fig.3. 3) Fig.6 shows a second type of a compensating throttle summator, which differs from the first type by the fact that the chamber of the computing amplifier of a non-compensating throttle summator is connected with m inputs. A study of this summator shows that, unlike the previously studied ones, every algebraic operation may be carried out with only one computing amplifier. The second part will deal with the construction of integrators and differentiators and with devices for carrying out non-linear operations. There are 9 figures and 7 Soviet references.

SUBMITTED: July 24, 1960

Legend to Fig.1: 1) Body, 2) membrane block; M) membranes, 3) nozzle, 3) ejector throttle.

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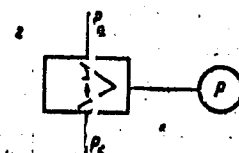
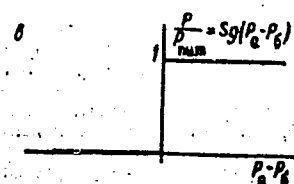
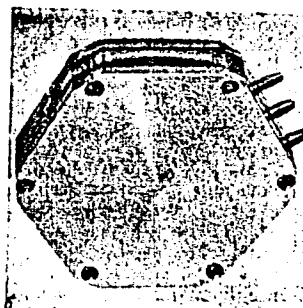
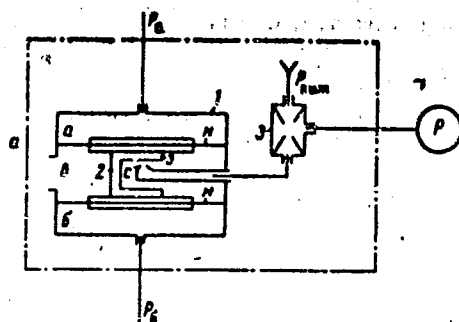


Рис. 1 (Fig. 1)

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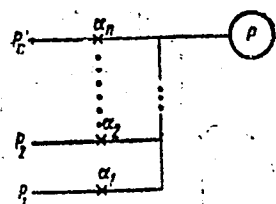


Рис. 2 (Fig. 2)

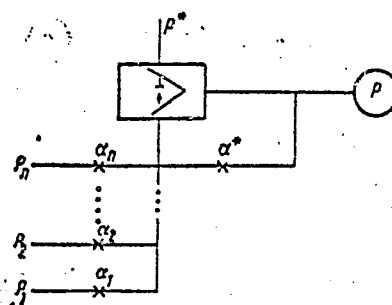
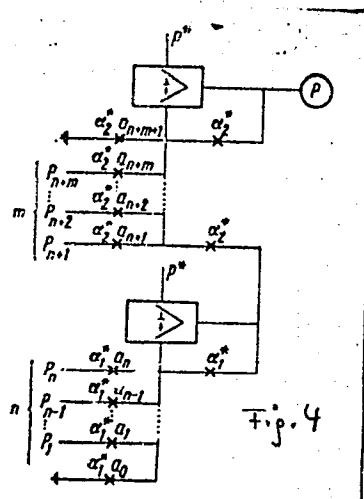


Рис. 3 (Fig. 3)

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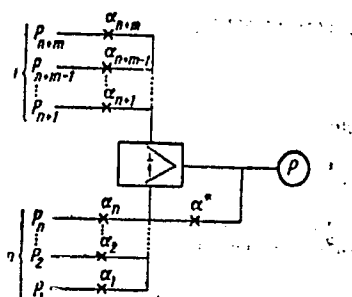


Fig. 6 (Fig. 6)

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BEREZOVETS, Galina Tarasovna; MALYY, Aleksandr L'vovich[deceased];
NADZHAFOV, Enver Mamed ogly; KARIBSKIY, V.V., red.;
VRONSKIY, L.N., ved. red.; STAROSTINA, L.D., tekhn. red.

[Devices in a pneumatic multipurpose, standardized system and
their use in automatically controlled production processes]
Pribory pnevmaticheskoi agregatnoi unifitsirovannoi sistemy i
ikh ispol'zovanie dlia avtomatizatsii proizvodstvennykh pro-
tseessov. Izd.2., perer. i dop. Moskva, Gostoptekhnizdat,
1962. 213 p. (MIRA 16:1)

(Pneumatic machinery)
(Automatic control)

BEREZOVETS, G.T. (Moskva); TATARKO, I.V. (Moskva)

Pneumatic jet and moving ball techniques abroad. Avtom.i telem.
24 no.3:414-424 Mr '63. (MIRA 16:4)
(Automatic control) (Pneumatic control)

ACC NR: AP6036716

SOURCE CODE: UR/0119/66/000/011/0014/0018

AUTHOR: Berezovets, G. T. (Candidate of technical sciences); Fudim, Ye. V. (Candidate of technical sciences); Kolerova, T. N. (Engineer); Tatarko, I. V. (Engineer)

ORG: none

TITLE: Computing devices designed with pneumatic pulsating linear resistors

SOURCE: Priborostroyeniye, no. 11, ^{1966,} 14-18

TOPIC TAGS: pneumatic computer, pneumatic device, pneumatic control system

ABSTRACT: The development of a linear pneumatic resistor which converts air pressure into a pulsating air flow is reported by the Institute of Automation and Telemechanics. The pulsating resistor consists of two contacts with a pneumatic capacitor inserted between them. When input pressure is 0, both contacts are open and the capacitor is connected to the input line. When input pressure is 1, this contact is closed, and consequently the capacitor is discharged through the open contact to the output line. The conductance of the device in respect to real time is proportional to the frequency of the input signal and to the value of the capacitance. The input signal, depending on the design of the contacts drive, can be pneumatic, hydraulic, or electric. Output is in the form of discrete pulses; the interval between pulses diminishes with increasing frequency until the signal is almost continuous. The pneumatic resistor can be used in pneumatic computing devices which necessarily

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UDC: 62.525:681.14

ACC NR: AP6036716

contain pneumatic pressure dividers, periodic circuits, and pneumatic integrators. It is concluded that the use of pneumatic resistors considerably reduces the error of pneumatic computing devices. Orig. art. has: 10 formulas and 7 figures. [G5]

SUB CODE: 13⁰⁹ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 51.0

Card 2/2

BUYANOV, V.I.; SHKOLYARENKO, N.D.; IOG, V.I.; Berezovich, I.N.

Concerning V.I. Iog and I.N. Berezovich's article "Change in the electrical network of a machine for disassembling and assembling precast forms in large-panel construction of dwellings." Prom. energ. 19 no. 6:43-45 Je'64 (MIRA 17:7)

IOG, V.I., inzh.; BEREZOVICH, I.N., tekhnik

Conversion of the electrical system of a machine for disassembling
and assembling molds in large-panel housing construction
enterprises. Prom.energ. 18 no.1:17-19 Ja '63.

(MIRA 16:4)

(Precast concrete construction)

BEREZOVICH, L.A.

Modernized semiautomatic AMSO-60-U apparatus for long-distance
and interdistrict communications networks. Vest. svyazi 22
no.4:5-7 Ap '62. (MIRA 15:4)

1. Glavnyy inzh. Sverdlovskogo zavoda Glavnogo upravleniya
promyshlennykh predpriyatiy Ministerstva svyazi SSSR.
(Telephone--Equipment and supplies)

BEREZOVICH, Lev Aronovich; ZAYONCHKOVSKIY, Yevgeniy Andreyevich;
UZLOV, Yevgeniy Nikolayevich; KOMAROVA, Ye.V., red.;
SHEFER, G.I., tekhn. red.

[Modernized AMSO-60-U one-frequency semiautomatic telecommunication apparatus for local communication networks]Modernizirovannaya apparatura poluavtomaticheskoi svyazi odnochastotnoi sistemy dlia vnutrioblastnykh setei AMSO-60-U. Moskva, Svyaz'izdat, 1962. 90 p. (MIRA 15:12)
(Telephone—Equipment and supplies)

BEREZOVICH, Lev Aronovich; KUROCHKIN, Konstantin Mikhaylovich; IVANOV, German Afanas'yevich; NEUSYPIN, A.M., inzh., ved. red. SOROKINA, T.M., tekhn. red.

[Chief operator's switchboard. Modernization of the electric drive of the PD45-2 perforator] Direktorskiy kommutator. Modernizatsiya elektroprovoda perforatora PD45-2. [By] G.A. Ivanov. Moskva, Filial Vses.in-ta nauchn. i tekhn.informatsii, 1957. 19 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 43. No.0-57-7/2) (MIRA 16:2)
(Telephone switchboards) (Punched card systems)

BEREZOVNIKOV, A. D., PINEGINA, R. I., ISURKANY, D. A., VARENNIKOVA, T. V.,
KLIMENKO, V. G., and PUSHNYAK, A. N. (USSR)

"Forms Taken by the Protein and other Nitrogen Compounds in
the Vegetative Parts of Plants."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

KLIMENKO, V.G.; BEREZOVIKOV, A.D.

Nitrogen containing substances of the green bulk and seeds of horse beans (*Vicia faba*) as related to the stages of their development. Trudy po khim. prirod. soed. no.3:145-157 '60. (MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya khimii belka.

(Broad bean)

(Plants—Chemical analysis)

(Nitrogen)

BEREZOVNIKOV, A.D.

Globulins in the seeds of broad bean (*Vicia faba* L.) Trudy po khim.
prirod. soed. no. 5:59-62 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-
versiteta.

SAYANOVA, V.V.; BEREZOVNIKOV, A.D.; BARANOVA, T.A.

Variability in the protein and nonprotein nitrogen content during
the ripening of the seeds of some bean species. Trudy po khim.
prirod. soed. no.5:63-68 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo univer-
siteta.

ISAKOVA, R.S.; BEREZOVNIKOV, A.D.

Nitrogen-containing substances in the groats of tomato seeds.
Trudy po khim.prirod. soed. no.5:87-91 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-
versiteta.

BEREZOVNIKOV, A.D.; KLIMENKO, V.G.

Proteins in the seeds of forage beans (*Vicia faba* L.). Dokl. AN
SSSR 144 no.3:659-661 My '62. (MIRA 15:5)

1. Kishinevskiy gosudarstvennyy universitet. Predstavleno
akademikom A.I.Oparinym.
(Beans) (Proteins)

KLIMENKO, V.G.; BEREZOVNIKOV, A.D.; LEONOV, G.B.

Change in the composition of proteins in ripening seeds of lentil,
cowpea and chick-pea. Biokhimiia 29 no.4:596-601 J1-Ag '64.

(MIRA 18:6)

1. Kafedra biokhimii i nauchno-issledovatel'skaya laboratoriya
khimii belka Gosudarstvennogo universiteta, Kishinev.

BEREZOVNIKOV, A.D.; KLIMENKO, V.G.

Nitrogen-containing substances in some organs of the broad bean
(*Vicia faba* L.) during the process of their development. Ukr.
biokhim. zhur. 36 no.5:739-750 '64. (MIRA 18:6)

1. Kafedra biokhimi i rasteniy i nauchno-issledovatel'skaya
laboratoriya khimii belka Kishinevskogo universiteta.

BEREZOVNIKOV, A.D.

Effect of vegetation conditions on seed production in Europe. *Nauch. dokl. vuz. shkoly; biol. nauk* no. 4:149-153 '65.

(MIRA 18:10)

1. Rekomendovana kafedroy biokhimii rasteniy Kishinevskogo gosudarstvennogo universiteta.

SUKHOVA, Z.; KHARCHENKO, V., inzh.-tekhnolog; BEREZOVIKOV, P.

For home cooking. Obshchestv.pit. no.9:62-63 S '60. (MIRA 13:11)
(Cookery)

KAPUSTIN, K. (g.Chelyabinsk); NAUMOVA, P.; YAKUSHEVICH, Ye., inzh.-tekhnolog;
BEREZOVNIKOV, P. (g.Novosibirsk); KAPUSTIN, K. (G.Chelyabinsk);
CHASHCHUKHIN, A. (g.Perm')

From a culinary expert's notebook. Obshchestv. pit. no. 5:21-23
My '61. (MIRA 14:5)

1. Zaveduyushchaya proizvodstvom stolovoy No.4, g. Moskva (for
Naumova).

(Cookery)

BEREZOVIKOVA, A.

Map as the source of knowledge. Geog. v shkole 21 no. 1:39-44
Ja-F '58. (MIRA 11:7)
(Maps)

SVECHIN, Kirill Borisovich [Sviechin, K.B.], prof.; BEREZOVY, Anatoliy
Semenovich [Berezovyi, A.S.], zootekhnik; FAL'KO, Yu.G. [Fal'ko,
Yu.H.], red.; MATVIICHUK, O.A., tekhn. red.

[How to breed animals for meat] Vyrashchuvannia tvaryn na m'iaso.
Kyiv, 1961. 41 p. (Tovarystvo dlia poshyrennia politychnykh i
naukovykh znan' Ukrain'skoi RSR. Ser.5, no.11) (MIRA 14:10)
(Stock and stockbreeding)

VORONOV, F.D.; TRIFONOV, A.G.; KHUSID, S.Ye.; DIKSHTEYN, Ye.L.; VAL'PITER, E.V.
SNEGIREV, Yu.B.; ANTIPIN, V.G.; Prinsipal'ny uchastiye: SMIRNOV, L.A.;
KAZAKOV, A.I.; YELIZAROV, A.G.; KULAKOV, A.M.; KOZHANOV, M.G.;
ZARZHITSKIY, Yu.A.; ARTAMONOV, M.P.; GOL'DENBERG, I.B.; ROMANOV,
V.M.; NOVIKOV, S.M.; MAYEVSKIY, A.B.; DMITRIYEV, I.; MANZHULA, M.;
BEREZOVVOY, I.A.; ZUTS, K.A.; BADIN, S.N.; TATARINTSEV, G.;
MITROFANOV, N.G.; GAVRILOVA, K.M.; IVANOV, N.I.

Operating a 400-ton open-hearth furnace on casing-head gas.

Stal' 20 no. 7:594-598 J1 '60.

(MIRA 14:5)

(Open-hearth furnaces--Equipment and supplies)

BEREZOVSKI, A.A.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation:

Source: Bucharest, Probleme Zootehnice si Veterinare, Vol XI, No 10,
Oct 1961, pp 69-71.

Data: "Sugar Beets in the Fodder Rations for Pigs."

BEREZOVSKI, A.A., Candidate in Agricultural Sciences (Candidat
in Stiinte Agricole).

ZUBRILINA, Z.A., -Scientific Collaborator-, Union Institute
for Zootechnical Research (Institutul Unional de Cercetari
Zootehnice).

BERELOVSKA, A. A.

Dissertation: "Economic-Geographic Characteristics of the Ryazan Meshchery." Cand
Geog Sci, Moscow City Pedagogical Inst imeni V. P. Potemkin, 29 May 54.
Vechernyaya Moskva, Moscow, 20 May 54.

SO: SUM 284, 26 Nov 1954

USSR/Cultivated Plants - Technical, Oleaginous, Sacchariferous.

B-7

Abstr Jour : Ref Zhur - Biol., No 9, 1956, 39419

Author : Pudorova, G., Berezovskaya, A.

Inst : -

Title : Monoclonous Hemp.

Orig Pub : Sovkhoznoye proiz-vo, 1957, No 9, 68-69.

Abstract : No abstract.

Card 1/1

BEREZOVSKIY, A.A. (Kiyev)

Motion of a load along a shallow shell. Ukr. Mat. zhur. 12 no.1:79-87
'60. (MIRA 13:10)
(Elastic plates and shells)

BEREZOVSKAYA, A.L.

Forehearth for feeding magnesium into molten cast iron. Izobr.
v SSSR 1 no.5:23 N '56. (MIRA 10:3)
(Metallurgical furnaces)

HEREZOVSKAYA, A.L.

V.Kh. Balashenko's machine for making cross slots in railroad
embankments. Izobr. v SSSR 2 no.9:17-19 S '57. (MIRA 10:10)
(Railroads--Earthwork)

ALUKER, Shai Monosovich, kand.tekhn.nauk; KASATKIN, A.S., prof., nauchnyy red.;
BEREZOVSKAYA, A.L., red.; PERSON, M.N., tekhn.red.

[Modern electric measuring instruments] Sovremennye elektroizmeritel'-
nye pribory. Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1958.
192 p. (MIRA 12:3)

(Electric instruments)

BRISKIN, Leonid Yakovlevich; KOVARSKIY, A.I., nauchnyy red.; DEMINA, G.A., red.; BEREZOVSKAYA, A.L., red.; RAKOV, S.I., tekhn. red.

[Assembly and operation of electric equipment for use in construction] Montazh i ekspluatatsiya elektrooborudovaniia na stroitel'stve. Moskva, Vses.uchebno-pedagog.izd-vo Trudorezervizdat, 1956. 307 p. (MIRA 14:12)

(Building--Electric equipment)

DOLZHENKOV, Andrey Timofeyevich, dotsent, kand. tekhn. nauk; ANDREYEV, Nikolay Nikolayevich, dotsent; DOKUCHAYEVA, Avgusta Paramonovna, dotsent; KOZLOV, Ivan Pavlovich, starshiy prepodavatel'; KISELEV, Ivan Ivanovich, dotsent; PARAMZIN, Ivan Ivanovich, dotsent; TROFIMOV, Vladimir Ivanovich, dotsent; BENEZOVSKAYA, A.L., red.; KRYUKOV, V.L., red.; RAKOV, S.I., tekhn. red.

[Reference manual for young agricultural machinery operators]
Spravochnik molodogo mekhanizatora sel'skogo khoziaistva. Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1959. 694 p.

(MIRA 12:12)

1. Prepodavateli Moskovskogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Dolzhenkov, Andreyev, Dokuchayeva, Kozlov, Kiselev, Paramzin, Trofimov).

(Agricultural machinery—Maintenance and repair)

PLESHKOV, Dmitriy Ivanovich; NEMIROVSKIY, E.I., nauchnyy red.; BERE-
ZOVSKAYA, A.L., red.; RAKOV, S.I., tekhn.red.; TOKER, A.M.,
tekhn.red.

[Road machinery] Dorozhno-stroitel'nye mashiny. Izd.2., perer.
i dop. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat,
1960. 471 p. (MIRA 13:7)

(Road machinery)

BERKMAN, Iosif L'vovich, inzh.; RANNEV, Aleksandr Vladimirovich,
kand.tekhn.nauk; REYSH, Arvid Karlovich, inzh.; NEMIROVSKIY,
E.I., nauchnyy red.; BEREZOVSKAYA, A.L., vedushchiy red.

[Construction power shovels] Odnokovshovye stroitel'nye
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pedagog.izd-vo Proftekhizdat, 1960. 599 p.

(MIRA 14:4)

(Power shovels)

GALAKTIONOV, Aleksandr Alekseyevich, kand. arkhitektury; PITSKEL', Lev Naumovich, kand. tekhn. nauk; SOKOLIN, Gerts Lazarevich, inzh.; SHAPIRO, Il'ya Grigor'yevich, inzh.; TARUTIN, N.P., nauchnyy red.; ~~BEREZOVSKAYA, A.L.~~, ved. red.; PEREDERIY, S.P., tekhn. red.; BARANOVA, N.N., tekhn. red.

[Handbook for the young plasterer] Spravochnik molodogo shtukatura.
By A.A.Galaktionov i dr. Izd.2., ispr.i dop. Moskva, Vses.uchebno-
pedagog.izd-vo Proftekhizdat, 1961. 278 p. (MIRA 14:12)
(Plastering)

ZAKHAROVA, Yevdokiya Il'inichna, kand. tekhn. nauk; OBRAZTSOV, S.A.,
nauchnyy red.; RYCHEK, T.I., red.; BEREZOVSKAYA, A.L., red.;
DORODNOVA, L.A., tekhn. red.

[Sawmill equipment and its operation] Lesopil'noe oborudovanie i
ego ekspluatatsiia. Moskva, Proftekhizdat, 1961. 207 p.
(MIRA 15:5)

(Sawmills—Equipment and supplies)

YURKOVSKIY, E.[Jurkowski, Edmund]; ZAKZHEVSKIY, Ye.[Zakrzewski, Jerzy];
BURICH, V. [translator]; SERIN, V.A., nauchnyy red.; BEREZOVSKAYA,
A.L., red.; NESYYSLOVA, L.M., tekhn. red.; DORODNOVA, L.A., tekhn.
red.

[Furniture manufacture] Porizvodstvo mebeli. Moskva, Vses.uchebno-
pedagog.izd-vo Proftekhizdat, 1961. 335 p. (MIRA 14:12)
(Poland—Furniture industry)

MUKHINA, Tat'yana Gerasimovna; GRADISHCHEV, N.Ye., nauchnyy red.;
BEREZOVSKAYA, A.L., red.; DORODNOVA, L.A., tekhn. red.

[Production of silicate brick]Proizvodstvo silikatnogo kirpicha.
Moskva, Proftekhizdat, 1962. 130 p. (MIRA 16:1)
(Sand-lime brick)

KOROLEV, Konstantin Mikhaylovich, kand. tekhn. nauk; TROITSKIY, Kh.L.,
nauchnyy red.; BEREZOVSKAYA, A.L., red.; TOKER, A.M., tekhn.
red.; BARANOVA, N.N., tekhn. red.

[The mortar-mixer and mortar-pump operator] Mashinist rastvorosmesitelia i rastvoronasosa. Moskva, Proftekhizdat, 1962.

255 p.

(MIRA 16:1)

(Mortar) (Construction industry)

BORODIN, Ivan Vasil'yevich, doktor tekhn. nauk; SALYNIN, Ye.A.,
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